

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-076002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Debra Bernstein et al.	
		Filing Date August 19, 2003	Group Art Unit 2183

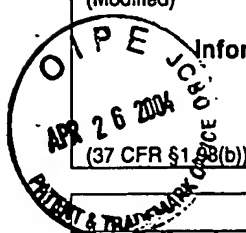
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
EC	AA	3,940,745	02/24/76	Sajeva, Raoul	712	244	
	AB	3,373,408	3/12/68	A.T. Ling	712	228	
	AC	5,630,130	5/13/97	Perotto et al.	718	107	
	AD	5,680,641	10/21/97	Sidman	710	20	
	AE	5,761,522	6/1998	Hisanaga et al.	712	1	
	AF	5,557,766	9/1996	Takiguchi et al.	711	5	
	AG	5,742,822	4/1998	Motomura, Masato	718	102	
	AH	6,223,279	4/2001	Nishimura et al.	712	228	
EC	AI	6,216,220	4/2001	Hwang, Myeong Eun	712	219	
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
EC	AL	EP 0 745 933	12-4-96	EPO				
EC	AM	59111533	27-06-84	Patent Abstracts of Japan				
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
EC	AQ	"Multithreaded Processor Architectures", G.T. Byrd et al., IEEE Spectrum, IEEE Inc., New York, US, Vol. 32, No. 8, 8-1-95, pps. 38-46.
EC	AR	"A Processor Architecture For Horizon", M.R. Thistle et al., Orlando, Washington, IEEE Comp. Soc. Press., US, Vol. Conf. 1, 11-14-88, pps. 35-41.
EC	AS	"Strongarming Portable Communications", T. Litch et al., IEEE Micro, US, IEEE, Inc., New York, Vol. 18, No. 2, 3-1-98, pps. 48-55.
	AT	

Examiner Signature <i>Eui Q</i>	Date Considered 4/15/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-076002	Application No. 10/643,438
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.88(b))		Applicant Debra Bernstein et al.	
		Filing Date 08/19/03	Group Art Unit Unknown



U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
EC	AA	6,694,380	02/17/2004	Wolrich et al.	710	5	
	AB	6,681,300	01/20/2004	Wolrich et al.	711	152	
	AC	6,668,317	12/23/2003	Bernstein et al.	712	245	
	AD	6,667,920	06/09/2003	Wolrich et al.	365	201	
	AE	6,661,794	12/09/2003	Wolrich et al.	370	394	
	AF	6,631,462	10/07/2003	Wolrich et al.	712	225	
	AG	6,631,430	10/07/2003	Wolrich et al.	710	100	
	AH	6,625,654	09/23/2003	Wolrich et al.	709	230	
	AI	6,606,704	08/12/2003	Adiletta et al.	712	248	
	AJ	6,587,906	07/01/2003	Wolrich et al.	710	240	
	AK	6,584,522	06/24/2003	Wolrich et al.	710	100	
	AL	6,577,542	06/10/2003	Wolrich et al.	365	189.01	
	AM	6,560,667	05/06/2003	Wolrich et al.	710	310	
	AN	6,552,826	04/22/2003	Adler et al.	358	442	
	AO	6,532,509	03/11/2003	Wolrich et al.	710	240	
	AP	6,463,072	10/08/2002	Wolrich et al.	370	439	
	AQ	6,434,145	08/13/2002	Opsasnick et al.	370	394	
	AR	6,430,626	08/06/2002	Witkowski et al.	709	249	
	AS	6,427,196	07/30/2002	Adiletta et al.	711	158	
	AT	6,426,940	07/30/2002	Seo et al.	370	216	
	AU	6,415,338	07/02/2002	Habot	710	22	
	AV	6,393,483	05/21/2002	Latif et al.	709	226	
	AW	6,389,449	05/14/2002	Nermirovsky et al.	718	108	
	AX	6,373,848	04/16/2002	Allison et al.	370	401	
	AY	6,360,262	03/19/2002	Guenther et al.	709	226	
	AZ	6,356,692	03/12/2002	Kasper et al.	385	129	
EC	AAA	6,347,344	02/12/2002	Baker et al.	710	20	

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	Applicant Debra Bernstein et al.			
	Filing Date 08/19/03		Group Art Unit Unknown	

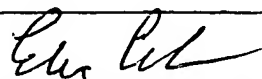
U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
CC	ABB	6,345,334	02/05/2002	Nakagawa et al.	711	104	
	ACC	6,324,624	11/27/01	Wolrich et al.	711	152	
	ADD	6,307,789	10/23/2001	Wolrich et al.	365	189.01	
	AEE	6,298,370	10/02/2001	Tang et al.	718	102	
	AFF	6,289,011	09/11/2001	Seo et al.	370	388	
	AGG	6,279,113	08/21/2001	Vaidya	713	201	
	AHH	6,275,505	08/14/2001	O'Loughlin et al.	370	388	
	ALL	6,272,616	08/07/2001	Fernando et al.	712	20	
	AJJ	6,256,713	07/03/2001	Audityan et al.	711	141	
	AKK	6,247,025	06/12/2001	Bacon	707	206	
	ALL	6,223,279	04/24/2001	Nishimura et al.	712	228	
	AMM	6,223,238	04/24/2001	Meyer et al.	710	312	
	ANN	6,223,207	04/24/2001	Lucovsky et al.	718	107	
	AOO	6,216,220	04/10/2001	Hwang	712	219	
	APP	6,212,611	04/03/2001	Nizar et al.	711	169	
	AQQ	6,212,542	04/03/2001	Kahle et al.	718	102	
	ARR	6,201,807	03/18/2001	Prasanna	370	389	
	ASS	6,199,133	03/06/2001	Schnell	710	110	
	ATT	6,195,676	02/27/2001	Spix et al.	718	107	
	AUU	6,182,177	01/30/2001	Harriman	710	112	
	AVV	6,160,562	12/12/2000	Chin et al.	345	520	
	AWW	6,157,955	12/05/2000	Narad et al.	709	228	
	AXX	6,145,054	11/07/2000	Mehrotra et al.	711	119	
	AYY	6,144,669	11/07/2000	Williams et al.	370	401	
	AZZ	6,141,765	10/31/2000	Sherman	713	400	
	AAAA	6,141,689	10/31/2000	Yasrebi	709	228	
CC	ABBB	6,134,665	10/17/2000	Klein et al.	713	300	

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	Applicant Debra Bernstein et al.		
	Filing Date 08/19/03	Group Art Unit Unknown	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
EC	ACCC	6,112,016	08/29/2000	MacWilliams et al.	710	107	
	ADDD	6,092,158	07/18/2000	Harriman et al.	711	151	
	AEEE	6,092,127	07/18/2000	Tausheck	710	56	
	AFFF	6,085,294	07/04/2000	Van Doren et al.	711	144	
	AGGG	6,085,215	07/04/2000	Ramakrishnan et al.	718	102	
	AHHH	6,079,008	06/20/2000	Clery, III	712	11	
	AIII	6,073,215	06/06/2000	Snyder	711	137	
	AJJJ	6,072,781	06/06/2000	Feeney et al.	370	282	
	AKKK	6,070,231	05/30/2000	Ottinger	711	141	
	ALLL	6,067,585	05/23/2000	Hoang	710	11	
	AMMM	6,058,168	05/02/2000	Braband	379	93.24	
	ANNN	6,023,742	02/08/2000	Ebeling et al.	710	107	
	AOOO	6,014,729	01/11/2000	Lannan et al.	711	150	
	APPP	6,012,151	01/04/2000	Mano	714	11	
	AQQQ	5,983,274	11/09/1999	Hyder et al.	709	230	
EC	ARRR	5,978,838	11/02/1999	Mohammed et al.	709	208	
	ASSS	5,978,838	11/02/1999	Heinrich et al.			
EC	ATTT	5,970,013	10/19/1999	Fischer et al.	365	230.01	
	AUUU	5,961,628	10/05/1999	Nguyen et al.	712	2	
	AVVV	5,958,031	09/28/1999	Kime	710	310	
	AWWW	5,948,081	09/07/1999	Foster	710	40	
	AXXX	5,946,487	08/31/1999	Dangelo	717	148	
	AYYY	5,940,866	08/17/1997	Chisholm et al.	711	170	
	AZZZ	5,940,612	08/17/1999	Brady et al.	718	170 103	
	AAAAA	5,937,187	08/21/1995	Kosche et al.	718	104	
	ABBBB	5,928,736	08/17/1999	Muller et al.	428	34.5	
EC	ACCCC	5,915,123	06/22/1999	Mirsky et al.	712	16	

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	Applicant Debra Bernstein et al.		
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
ES	ADDDDD	5,905,889	05/18/1999	Wilhelm, Jr.	718	104	
	AEEEE	5,905,876	08/18/1999	Pawlowski et al.	710	112	
	AFFFF	5,892,979	04/06/1999	Shiraki et al.	710	52	
	AGGGG	5,890,208	03/30/1999	Kwon	711	112	
	AHHHH	5,887,134	03/23/1999	Ebrahim	709	200	
	AIIII	5,886,992	03/23/1999	Raatikaian et al.	370	410	
	AJJJJ	5,860,158	01/12/1999	Pai et al.	711	118	
	AKKKK	5,854,922	12/29/1998	Gravenstein et al.	712	245	
	ALLLL	5,835,755	11/10/1998	Stellwagen, Jr.	707	245	
	AMMMM	5,832,215	11/03/1998	Kato et al.	709	230	
	ANNNN	5,828,863	10/27/1998	Barrett et al.	709	230 24	
	AOOOO	5,828,746	10/27/1998	Ardon	379	230	
	APPPP	5,812,868	11/22/1998	Moyer et al.	712	23	
	AQQQQ	5,809,530	09/15/1998	Samra et al.	711	140	
	ARRRR	5,809,235	09/15/1998	Sharma et al.	709	230	
	ASSSS	5,797,043	08/18/1998	Lewis et al.	710	522	
	ATTTT	5,796,413	08/18/1998	Shipp et al.	345	219	
	AUUUU	5,784,712	07/21/1998	Byers et al.	711	219	
	AVVVV	5,784,649	07/21/1998	Begur et al.	710	52	
	AWWWW	5,781,774	07/14/1998	Krick	713	1	
	AXXXX	5,761,522	06/02/1998	Hisanga et al.	712	1	
	AYYYY	5,761,507	06/02/1998	Govett	718	101	
	AZZZZ	5,751,987	04/12/1998	Mahant-Shetti et al.	711	5	
	AAAAAA	5,745,913	04/28/1998	Pattin et al.	711	105	
	BBBBBB	5,742,822	04/21/1998	Motomura	718	102	
	ACCCCC	5,742,782	04/21/1998	Ito et al.	370	235	
ES	ADDDDD	5,742,587	04/21/1998	Zornig et al.	52	745.05	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
EC	AEEEEEE	5,721,870	02/24/1998	Matsumoto	711	152	
	AFFFFF	5,717,898	02/10/1998	Kagan et al.	711	145	
	AGGGGG	5,699,537	12/16/1997	Sharangpani et al.	712	217	
	AHHHHH	5,689,566	11/18/1997	Nguyen	713	155	
	AIIIII	5,680,641	10/21/1997	Sidman	710	20	
	AJJJJJ	5,659,687	08/19/1997	Kim et al.	710	112	
	AKKKKK	5,649,157	07/15/1997	Williams	711	151	
	ALLLLL	5,644,623	07/01/1997	Gutledge	455	423	
	AMMMMM	5,630,641	05/13/1997	Perotto et al.	296	224	
	ANNNNN	5,627,829	05/06/1997	Gleeson et al.	370	230	
	AOOOOO	5,623,489	04/22/1997	Cotton et al.	370	381	
	APPPPP	5,613,136	03/18/1997	Casavant et al.	712	28	
	AQQQQQ	5,613,071	03/18/1997	Rankin et al.	707	10	
	ARRRRR	5,592,622	01/07/1997	Isfeld et al.	709	207	
	ASSSSS	5,574,922	11/12/1996	James	712	220	
	ATTTTT	5,568,617	10/22/1996	Kametani	710	100	
	AUUUUU	5,557,766	09/17/1996	Takiguchi et al.	711	5	
	AVVVVV	5,550,816	08/27/1996	Hardwick et al.	370	397	
	AWWWWW	5,544,236	08/06/1996	Andruska et al.	379	201.02	
	AXXXXX	5,542,088	07/30/1996	Jennings, Jr. et al.	718	103	
	AYYYYY	5,542,070	07/30/1996	LeBlanc et al.	703	20	
	AZZZZZ	5,517,648	05/14/1996	Bertone et al.	710	244	
	AAAAAA	5,467,452	11/14/1995	Blum et al.	709	244	
	ABBBBB	5,463,625	10/31/1995	Yasrebi	370	401	
	ACCCCC	5,459,842	10/17/1995	Begun et al.	711	155	
	ADDDDD	5,452,437	09/19/1995	Richey et al.	714	4	
EC	AEEEEEE	5,450,351	09/12/1995	Heddes	365	49	

Examiner Signature <i>Eric P.</i>	Date Considered 4/15/05
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
EC	AAAAAA	5,448,702	09/05/1995	Garcia, Jr. et al.	710	100	
	AGGGGG	5,432,918	07/11/1995	Stamm	711	158	
	AHHHHH	5,404,484	04/04/1995	Bennett	711	133	
	AIIIII	5,404,482	04/04/1995	Stamm et al.	711	145	
	AJJJJJ	5,392,412	02/21/1995	McKenna	710	52	
	AKKKKK	5,392,411	02/21/1995	Ozaki	711	1	
	ALLLLL	5,392,391	02/21/1995	Caulk, Jr. et al.	345	503	
	MMMMM	5,390,329	02/14/1995	Gaertner et al.	718	108	
	NNNNNN	5,367,678	11/22/1994	Lee et al.	718	104	
	OOOOOO	5,347,648	09/13/1994	Stamm et al.	714	5	
	PPPPPP	5,263,169	11/16/1993	Genusov et al.	712	7	
	QQQQQQ	5,255,239	10/19/1993	Taborn et al.	365	221	
EC	RRRRRR	5,173,897	12/22/1992	Schrodi et al.	370	394	
	SSSSSS	5,173,897	12/22/1992	Pfeiffer et al.			
EC	TTTTTT	5,168,555	12/01/1992	Byers et al.	713	2	
	UUUUUU	5,155,854	10/13/1992	Flynn et al.	718	104	
	VVVVVV	5,155,831	10/13/1992	Emma et al.	711	121	
	WWWWW	5,142,683	08/25/1992	Burkhardt, Jr. et al.	709	215	
	XXXXXX	5,140,685	08/18/1992	Sipple et al.	711	164	
	YYYYYY	4,866,664	09/12/1989	Burkhardt, Jr. et al.	709	227	
	ZZZZZZ	4,745,544	05/17/1988	Renner et al.	712	11	
	AAAAAA	4,523,272	06/11/1985	Fukunaga et al.	710	107	
	BBBBBB	4,514,807	04/30/1985	Nogi	712	21	
	CCCCCC	4,400,770	08/23/1983	Chan et al.	711	3	
	DDDDDD	4,130,890	12/19/1978	Adam	365	184	
	EEEEEE	3,940,745	02/24/1976	Sajeva	710	244	
EC	AAAAAA	3,792,441	02/12/1974	Wymore et al.	712	248	

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EC	GGGGGG	3,478,322	11/11/1969	Evans	712	248	
EC	HHHHHH	3,373,408	03/12/1968	Ling	712	228	
EC	IIIIII	10/726,757	12/03/2003	Wolrich et al.			
	AJJJJJJ	10/684,078	10/10/2003	Wolrich et al.			
	KKKKKK	10/664,202	09/16/2003	Wolrich et al.			
	LLLLLL	10/644,337	08/20/2003	Wolrich et al.			
	MMMMMM	10/615,500	07/08/2003	Adiletta			
	NNNNNN	10/615,280	07/08/2003	Wolrich et al.			
	OOOOOO	10/440,079	05/15/2003	Wolrich et al.			
	PPPPPP	10/208,264	07/30/2002	Adiletta et al.			
	QQQQQQ	09/476,303	12/30/1999	Wolrich et al.			
	RRRRRR	09/475,614	12/30/1999	Wolrich et al.			
	SSSSSS	09/473,571	12/28/1999	Wolrich et al.			
EC	TTTTTT	09/387,109	08/31/1999	Adiletta et al.			


Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
EC	✓ UUUUUU	WO 01/50679	07/12/2001	WIPO				
	✓ VVVVVV	WO 01/50247	07/12/2001	WIPO				
	✓ WWWWW	WO 01/48619	07/05/2001	WIPO				
	✓ XXXXXX	WO 01/48606	07/05/2001	WIPO				
	✓ YYYYYY	WO 01/48596	07/05/2001	WIPO				
	✓ ZZZZZZ	WO 01/16782	03/08/2001	WIPO				
	✓ AAAAAA	WO 01/16770	03/08/2001	WIPO				
	✓ BBBBBB	WO 01/16769	03/08/2001	WIPO				
	✓ CCCCCC	WO 01/15718	03/08/2001	WIPO				
EC	✓ DDDDDD	WO 97/38372	10/16/1997	WIPO				

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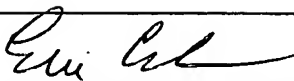
Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
EC	EEEEEE	WO 94/15287	07/07/1994	WIPO				
EC	FFFFFF	EP 0 809 180	11/26/1997	Europe				
EC	GGGGGG	EP 0 745 933	12/04/1996	Europe				
EC	HHHHHH	EP 0 633 678	01/11/1995	Europe				
EC	IIIIIIII	EP 0 464 715	01/08/1992	Europe				
EC	JJJJJJJJ	EP 0 379 709	08/01/1990	Europe				
EC	KKKKKK	59111533	06/27/1984	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
EC	LLLLLLLL	Byrd et al., "Multithread Processor Architectures," <i>IEEE Spectrum</i> , Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.
EC	MMMMMMMM	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 nd ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-076002	Application No. 10/643,438
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Debra Bernstein et al.	
		Filing Date 08/19/03	Group Art Unit Unknown

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
EC ✓	YYYYYYYY	Vibhatvanijit et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359.
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